


ACKNOWLEDGEMENT RECEIPT

Electronic Version

Stylesheet Version v01

Title of Invention	[METHOD OF RAID EXPANSION]																																																																																																						
Submission Type :	Utility Patent Filing																																																																																																						
Application Number:	10/710820																																																																																																						
EFS ID:	66042																																																																																																						
Server Response:	<table border="1"><thead><tr><th>Confirmation Code</th><th>Message</th></tr></thead><tbody><tr><td>ISVR1</td><td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td></tr><tr><td>ICON1</td><td>4819</td></tr><tr><td>USPTOEFSNot</td><td>For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: http://www.uspto.gov/ebc/</td></tr></tbody></table>			Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	4819	USPTOEFSNot	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: http://www.uspto.gov/ebc/																																																																																												
Confirmation Code	Message																																																																																																						
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application																																																																																																						
ICON1	4819																																																																																																						
USPTOEFSNot	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: http://www.uspto.gov/ebc/																																																																																																						
First Named Applicant:	Hung-Ming Chien																																																																																																						
Attorney Docket Number:	12419-US-PA																																																																																																						
Timestamp:	2004-08-05 04:55:45 EDT																																																																																																						
From:	us																																																																																																						
File Listing:	<table border="1"><thead><tr><th>Doc. Name</th><th>File Name</th><th>Size (Bytes)</th><th>Date Produced (yyyymmdd)</th></tr></thead><tbody><tr><td>us-assignment</td><td>12419-usassn.xml</td><td>1556</td><td>2004-08-05</td></tr><tr><td>us-assignment</td><td>us-assignment.xsl</td><td>8983</td><td>2004-08-05</td></tr><tr><td>us-assignment</td><td>us-assignment.dtd</td><td>10898</td><td>2004-08-05</td></tr><tr><td>us-assignment</td><td>12419assignment01.tif</td><td>46134</td><td>2004-08-05</td></tr><tr><td>us-assignment</td><td>12419assignment02.tif</td><td>7920</td><td>2004-08-05</td></tr><tr><td>us-request</td><td>12419-usrequ.xml</td><td>1864</td><td>2004-08-05</td></tr><tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2004-08-05</td></tr><tr><td>us-request</td><td>us-request.xsl</td><td>33300</td><td>2004-08-05</td></tr><tr><td>us-fee-sheet</td><td>12419-usfees.xml</td><td>1733</td><td>2004-08-05</td></tr><tr><td>us-fee-sheet</td><td>us-fee-sheet.xsl</td><td>24912</td><td>2004-08-05</td></tr><tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>11069</td><td>2004-08-05</td></tr><tr><td>application-body</td><td>12419-trans.xml</td><td>22351</td><td>2004-08-05</td></tr><tr><td>application-body</td><td>us-application-body.xsl</td><td>83497</td><td>2004-08-05</td></tr><tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2004-08-05</td></tr><tr><td>application-body</td><td>wipo.ent</td><td>4956</td><td>2004-08-05</td></tr><tr><td>application-body</td><td>mathml2.dtd</td><td>54588</td><td>2004-08-05</td></tr><tr><td>application-body</td><td>mathml2-qname-1.mod</td><td>13225</td><td>2004-08-05</td></tr><tr><td>application-body</td><td>isoamsa.ent</td><td>5191</td><td>2004-08-05</td></tr><tr><td>application-body</td><td>isoamsb.ent</td><td>3988</td><td>2004-08-05</td></tr><tr><td>application-body</td><td>isoamsc.ent</td><td>1460</td><td>2004-08-05</td></tr><tr><td>application-body</td><td>isoamsn.ent</td><td>5620</td><td>2004-08-05</td></tr><tr><td>application-body</td><td>isoamso.ent</td><td>1934</td><td>2004-08-05</td></tr><tr><td>application-body</td><td>isoamsr.ent</td><td>7073</td><td>2004-08-05</td></tr><tr><td>application-body</td><td>isogr3.ent</td><td>3559</td><td>2004-08-05</td></tr></tbody></table>			Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)	us-assignment	12419-usassn.xml	1556	2004-08-05	us-assignment	us-assignment.xsl	8983	2004-08-05	us-assignment	us-assignment.dtd	10898	2004-08-05	us-assignment	12419assignment01.tif	46134	2004-08-05	us-assignment	12419assignment02.tif	7920	2004-08-05	us-request	12419-usrequ.xml	1864	2004-08-05	us-request	us-request.dtd	19064	2004-08-05	us-request	us-request.xsl	33300	2004-08-05	us-fee-sheet	12419-usfees.xml	1733	2004-08-05	us-fee-sheet	us-fee-sheet.xsl	24912	2004-08-05	us-fee-sheet	us-fee-sheet.dtd	11069	2004-08-05	application-body	12419-trans.xml	22351	2004-08-05	application-body	us-application-body.xsl	83497	2004-08-05	application-body	application-body.dtd	49498	2004-08-05	application-body	wipo.ent	4956	2004-08-05	application-body	mathml2.dtd	54588	2004-08-05	application-body	mathml2-qname-1.mod	13225	2004-08-05	application-body	isoamsa.ent	5191	2004-08-05	application-body	isoamsb.ent	3988	2004-08-05	application-body	isoamsc.ent	1460	2004-08-05	application-body	isoamsn.ent	5620	2004-08-05	application-body	isoamso.ent	1934	2004-08-05	application-body	isoamsr.ent	7073	2004-08-05	application-body	isogr3.ent	3559	2004-08-05
Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)																																																																																																				
us-assignment	12419-usassn.xml	1556	2004-08-05																																																																																																				
us-assignment	us-assignment.xsl	8983	2004-08-05																																																																																																				
us-assignment	us-assignment.dtd	10898	2004-08-05																																																																																																				
us-assignment	12419assignment01.tif	46134	2004-08-05																																																																																																				
us-assignment	12419assignment02.tif	7920	2004-08-05																																																																																																				
us-request	12419-usrequ.xml	1864	2004-08-05																																																																																																				
us-request	us-request.dtd	19064	2004-08-05																																																																																																				
us-request	us-request.xsl	33300	2004-08-05																																																																																																				
us-fee-sheet	12419-usfees.xml	1733	2004-08-05																																																																																																				
us-fee-sheet	us-fee-sheet.xsl	24912	2004-08-05																																																																																																				
us-fee-sheet	us-fee-sheet.dtd	11069	2004-08-05																																																																																																				
application-body	12419-trans.xml	22351	2004-08-05																																																																																																				
application-body	us-application-body.xsl	83497	2004-08-05																																																																																																				
application-body	application-body.dtd	49498	2004-08-05																																																																																																				
application-body	wipo.ent	4956	2004-08-05																																																																																																				
application-body	mathml2.dtd	54588	2004-08-05																																																																																																				
application-body	mathml2-qname-1.mod	13225	2004-08-05																																																																																																				
application-body	isoamsa.ent	5191	2004-08-05																																																																																																				
application-body	isoamsb.ent	3988	2004-08-05																																																																																																				
application-body	isoamsc.ent	1460	2004-08-05																																																																																																				
application-body	isoamsn.ent	5620	2004-08-05																																																																																																				
application-body	isoamso.ent	1934	2004-08-05																																																																																																				
application-body	isoamsr.ent	7073	2004-08-05																																																																																																				
application-body	isogr3.ent	3559	2004-08-05																																																																																																				

Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)
application-body	isomfrk.ent	4553	2004-08-05
application-body	isomopf.ent	2571	2004-08-05
application-body	isomscr.ent	4628	2004-08-05
application-body	isotech.ent	5268	2004-08-05
application-body	isobox.ent	3568	2004-08-05
application-body	isocyr1.ent	5345	2004-08-05
application-body	isocyr2.ent	2504	2004-08-05
application-body	isodia.ent	1508	2004-08-05
application-body	isolat1.ent	5282	2004-08-05
application-body	isolat2.ent	9007	2004-08-05
application-body	isonum.ent	5913	2004-08-05
application-body	isopub.ent	6621	2004-08-05
application-body	mmlextra.ent	7901	2004-08-05
application-body	mmlalias.ent	38209	2004-08-05
application-body	soextblx.dtd	12870	2004-08-05
application-body	12419us0001.tif	6618	2004-08-05
application-body	12419us0002.tif	7158	2004-08-05
application-body	12419us0003.tif	5748	2004-08-05
application-body	12419us0004.tif	6626	2004-08-05
application-body	12419us0005.tif	6756	2004-08-05
application-body	12419us0006.tif	6920	2004-08-05
us-declaration	12419declartion02.tif	18724	2004-08-05
us-declaration	12419declaration01.tif	42868	2004-08-05
package-data	12419-pkda.xml	9388	2004-08-05
package-data	package-data.dtd	27025	2004-08-05
package-data	us-package-data.xsl	19263	2004-08-05
Total files size		697215	

Message Digest:

2de51baa9548df2e6ed43087d3ea23ece9c06681

Digital Certificate Holder
Name:

cn=Belinda Lee,ou=Registered
Attorneys,ou=Patent and
Trademark
Office,ou=Department of
Commerce,o=U.S.
Government,c=US